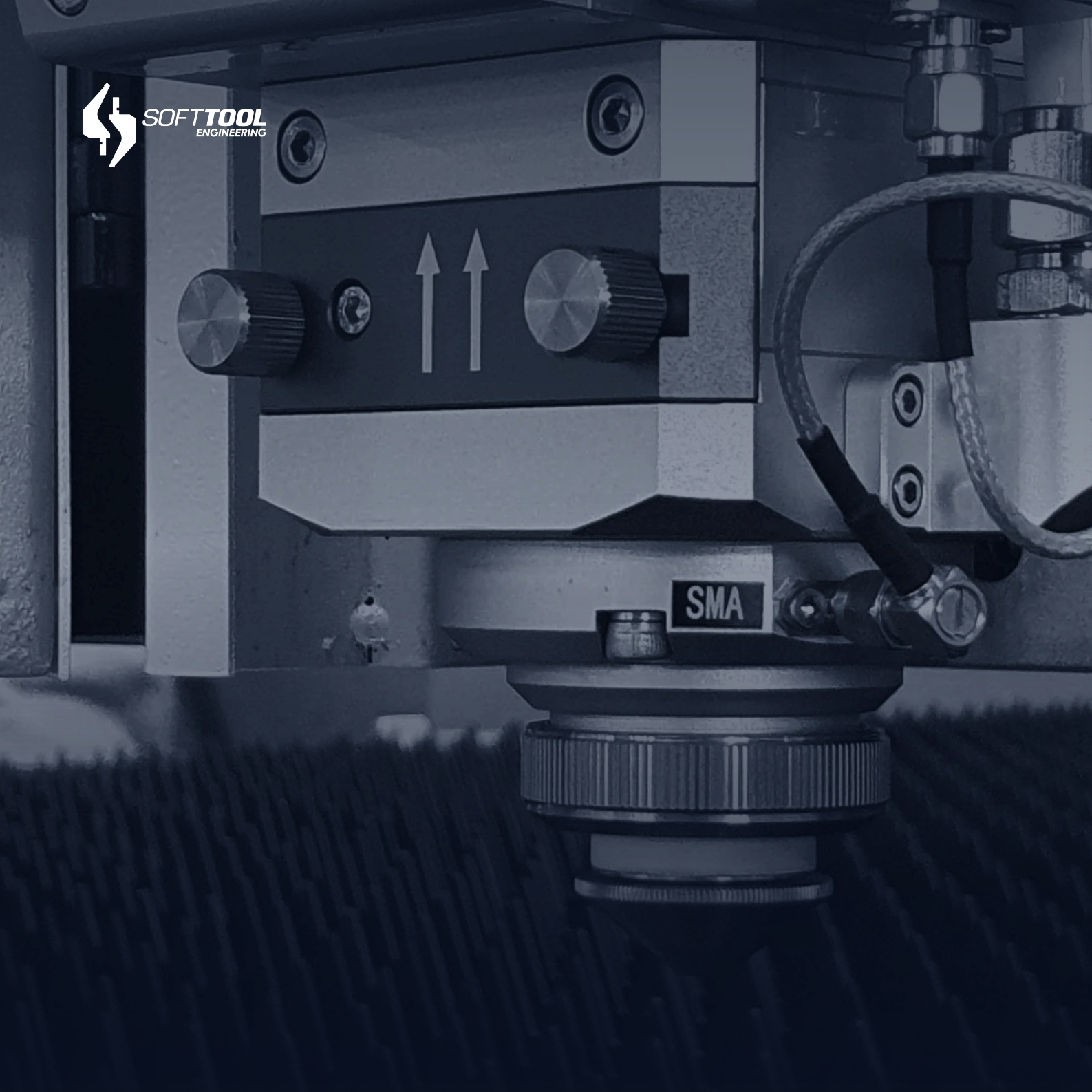
SOFTTOOL ENGINEERING



2026 CATALOG

Laser cutting consumables

Nozzles, ceramic rings, lenses, protective windows and cutting head components for fiber and CO_2 machines.

softooling.com info@softooling.com

SOFT TOOL ENGINEERING

Consumables that cut well for more hours

We supply consumables for the most widely used fiber and CO_2 laser cutting heads in Mexico, on European, Japanese and Chinese machines. We help you choose the right nozzle, ceramic or optics for each material and thickness.

Delivered price at your plant

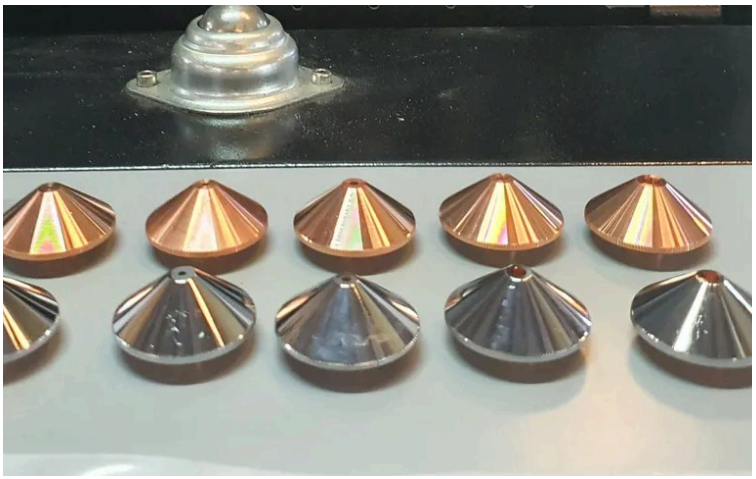
Import included, with a Mexican tax invoice (CFDI).

Multi-brand

Raytools, WSX, Precitec, BOCI, OSPRI, Han's, Bodor, Trumpf, Bystronic, Amada and more.

Application support

Cut-quality diagnosis and parameter tuning on the shop floor.



> **For a faster quote**
>
> Send us the brand and model of the cutting head, the part code or size (and a photo if you have one) to **info@softooling.com**.

CONTENTS

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03	Lenses with lens holder	5
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01 Protective windows

Fused silica (FS) windows that protect the head optics from spatter. Sizes in mm: diameter × thickness.



AVAILABLE SIZES (FUSED SILICA)

20 series (FS)	18×2 · 20×2 · 20×3 · 20×4 · 21.5×2 Plus · 22×2 · 22.35×4 · 24×4 · 24.9×1.5 · 24.9×1.5 Plus · 25×2 · 25×3 · 25.4×4 · 25.4×5 · 26.5×5 · 28×2 · 28×4 (27.9×4.1) · 28×4 Plus · 29.7×4.7
30 series (FS)	35×1.5 · 35×4 · 35.5×5 Plus-H · 36×2 · 36×3 · 36×5 · 37×1.6 Plus · 37×7 · 37×7 Plus-H · 37×7 Plus-Hq · 37×7 Plus-Hq+ · 38.1×1.6 Plus · 38×2 · 38×3 · 38×6.35 · 38×9.8 Plus-H
40 series (FS)	40×1.5 Plus · 40×2 · 40×2.5 Plus-H · 40×3 · 40×4 · 40×5 · 40×5 Plus-H · 40×8 Plus-Hq · 42×2 · 42×3 · 42×4 · 42×9 Plus-H · 45×3 · 48×2 · 48×3
50 series (FS)	50×1.5 · 50×2 · 50×2 Plus · 50×3 Plus · 50×4 Plus · 50×5 · 50×8 Plus-Hq · 50.8×1.5 Plus · 53×1.5 · 55×1.5 · 55×9 Plus-Hq · 60×3
Octagonal	33×33×1.65

ORIGINAL HEAD PARTS



Raytools original

24.9×1.5 · 27.9×4.1 · 22.4×4.1 · 30×5 · 37×7 (6 kW) · 37×7 (12 kW) · 37×1.6 (12 kW) · 38.1×1.6 (12 kW) · 38×2 · 50×2



WSX original

18×2 · 22.35×4 · 25.4×4 · 30×5 · 32×2 · 32×5 · 36×3 · 37×7 (6 kW) · 37×7 (15 kW) · 50×2 · 50×4

02 Focusing and collimating lenses

Sets of 2 pieces. Specification: diameter-focal length in mm.



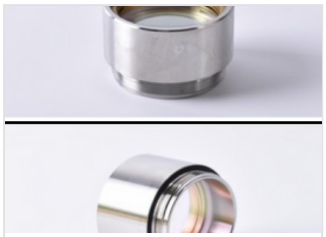
BRAND	HEAD / MODEL	AVAILABLE SETS (DIAMETER-FOCAL, MM)
Raytools	BT210	28-75 collimating · 28-100 collimating · 28-125 focusing
Raytools	BT240 / BT240S	30-100 collimating · 30-125 focusing · 30-150 focusing · 30-155 focusing · 30-200 focusing
Raytools	BT109	28-100 collimating · 28-125 focusing · 28-150 focusing
Raytools	BM110	30-100 collimating · 30-125 focusing · 30-150 focusing · 30-200 focusing
Raytools	BM111	30-100 collimating · 30-125 focusing · 30-150 focusing · 30-200 focusing
Raytools	BM114 / BM114S	37-100 collimating · 37-150 focusing · 37-200 focusing · 38.1-200 focusing
Raytools	BM115	37-100 collimating aspheric · 37-150 focusing · 37-200 focusing · 38.1-200 focusing
Precitec	LightCutter	30-100 collimating · 30-125 focusing · 30-150 focusing
Precitec	HPSSL (CO_2)	30-100 collimating · 30-125 focusing
Precitec	HPSSL	30-150 focusing · 30-200 focusing · 30-250 focusing
Precitec	ProCutter 1.0	37-100 collimating · 37-125 focusing · 37-150 focusing · 37-200 focusing
Precitec	ProCutter 1.0	37-100 collimating aspheric · 37-125 focusing · 37-150 focusing · 37-200 focusing
Precitec	ProCutter 2.0	37-100 collimating aspheric · 37-125 focusing · 37-150 focusing
WSX	Mini	24.7-75 collimating · 24.7-100 collimating · 24.7-125 focusing
WSX	KC13 / KC15 (manual) · NC30 (auto)	30-75 collimating · 30-100 collimating · 30-125 focusing · 30-150 focusing · 30-190.5 focusing
WSX	NC60	37-100 collimating · 37-150 focusing · 37-200 focusing
K9 (2 pcs/set)	Ø30	F100 · F120 · F150
K9 (2 pcs/set)	Ø38.1	F100 · F120
K9 (2 pcs/set)	Ø41.5	F100 · F120 · F150 · F180 · F200
Raytools original	Ø28	F100 · F125
Raytools original	Ø30	F100 · F125 · F150 · F155
Raytools original	Ø37	F100 · F150 · F200
Raytools original	Ø38.1	F100 · F200
WSX original	Ø24.7	F75 · F100 · F125
WSX original	Ø30	F75 · F100 · F125 · F150
WSX original	Ø37	F100 · F150 · F190 · F200

03 Lenses with lens holder

Collimating or focusing lens mounted in its holder, ready to install.



RAYTOOLS
BT210
- 28-75 collimating
- 28-100 collimating



RAYTOOLS
BT240 / BT240S
- 30-100 collimating
- 30-125 focusing



RAYTOOLS
BM109
- 28-100 collimating
- 28-125 focusing



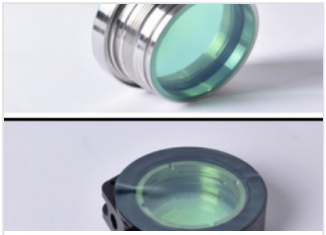
RAYTOOLS
BM110 / BM112
- 30-100 collimating
- 30-125 focusing



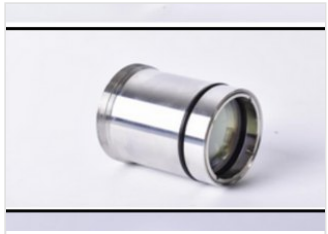
RAYTOOLS
BM111
- 30-75 collimating
- 30-100 collimating



RAYTOOLS
BM114
- 37-100 collimating
- 37-150 focusing



RAYTOOLS
BM115
- 37-100 collimating aspheric
- 37-150 focusing



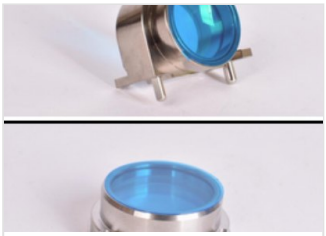
PRECITEC
LightCutter
- 30-100 collimating
- 30-125 focusing



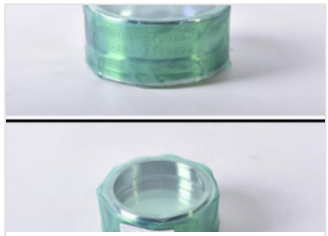
PRECITEC
HPSSL
- 30-100 collimating
- 30-125 focusing



PRECITEC
ProCutter 1.0
- 37-100 collimating
- 37-100 8KW collimating aspheric



PRECITEC
ProCutter 2.0
- 37-100 collimating aspheric
- 37-125 focusing



PRECITEC ORIGINAL
Original
- 38.1-100 collimating
- 38.1-125 focusing



WSX
KC13/KC15 (manual)
- 30-75 collimating
- 30-100 collimating



WSX
NC30(AUTO)
- 30-75 collimating
- 30-100 collimating



WSX
NC60
- 37-100 collimating
- 37-150 focusing

04 Ceramic rings

Nozzle holders that insulate and transmit the height sensor signal. Specification: D = diameter, M = thread, H = height (mm).



Precitec KT XB

D31-M11*0.75



Precitec KTX

D31-M15



Precitec M5

D13-M5



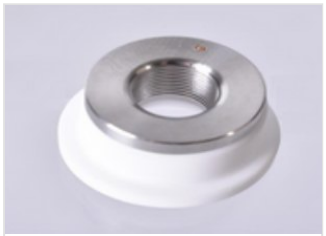
Precitec M6

D17-M6



Raytools-3D

D19.5-M8*0.75



Bo-3D-D20.6

D20.6-M8



WSX-D15.6

D15.6-H6.5



WSX-Mini

D24-M8*0.75



WSX-ND18

D28-M20



TONY-28

D28-M12*1



TONY-32

D32-M12*1



Ospri-3D-D17.8

D17.8-M8-H12.5



Ospri-3D-D21.4

D21.4-M8-H13

Ceramic rings · continued



Ospri-3D-D21.5

D21.5-M8-H14



Ospri-D25

D25-M10



DNE · INSULATING RING

DNE-3501-D43

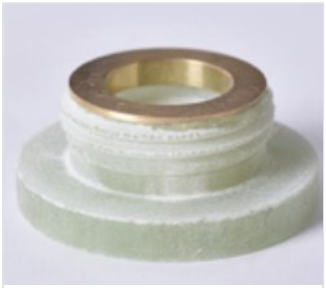
D43-H8.5



DNE · INSULATING RING

DNE-3502-D43

D43-H10



DNE · INSULATING RING

DNE-D38

D38-H14.5

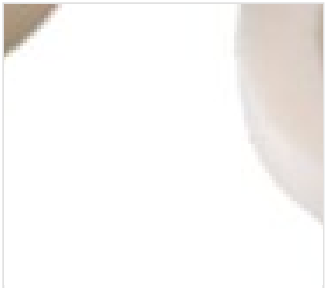
Bystronic 4-01642

D25.8*17.5-H4



Bystronic 4-09010

D28*22-H6.5



Bystronic 4-01959

D26*22-H11

Bystronic 10032838

D26*21-H11.5



BOCI

D41-M11



IPG

D28.7-M11



Trumpf-258809

D25-M7



Trumpf 254493/260432

D31.8-M8

Ceramic rings · continued



Trumpf 936678/913966

D17.5-M6



Trumpf 1349171/1755673

D41-M11



Trumpf-1906032

D41-M12*1



Highyag-O

D35-M11



Highyag-N

D24.5-M11



Ø28

Precitec-28

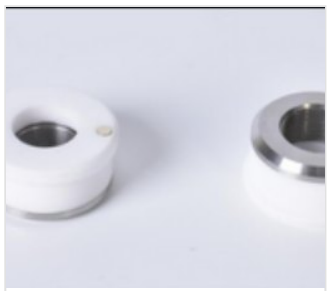
D28-M11*0.75



Ø32

Raytools-32

D32-M14*0.8



EC-D17.5

D17.5-M9-H8.4



EC-D28

D28-M11-H12



Han-3D

D17.6-M6-H17.6



CKY-D18

D18-M8



MAX

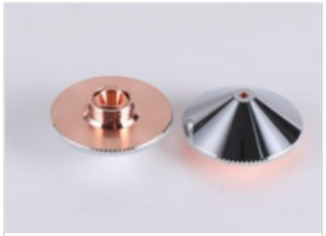
D31-M11-H28.5

05 Cutting nozzles

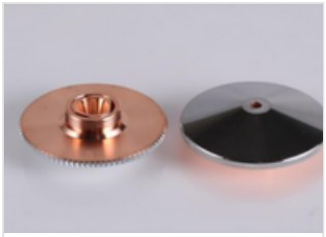
Single and double nozzles for cutting with oxygen, nitrogen and air. D = diameter, H = height, M = thread (mm).



S28 SERIES (Ø28)
S28-A-15-S
Single



S28 SERIES (Ø28)
S28-A-15-D
Double



S28 SERIES (Ø28)
S28-A-11-D
Double



S28 SERIES (Ø28)
S28-B-15-S
Single



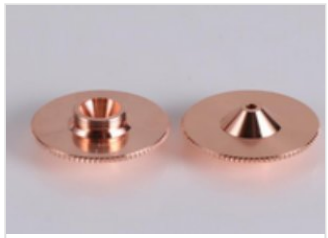
S28 SERIES (Ø28)
S28-B-15-D
Double



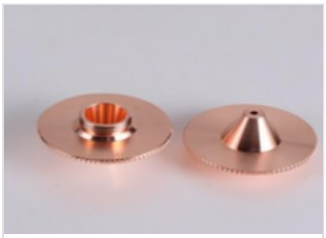
S28 SERIES (Ø28)
S28-B-15-Sp
Single



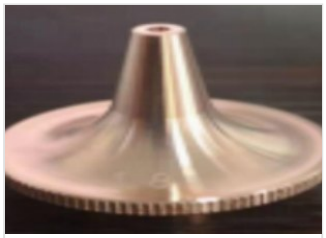
S28 SERIES (Ø28)
S28-B-15-Dp
Double



S28 SERIES (Ø28)
S28-C-11-S
Single



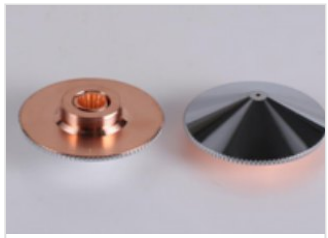
S28 SERIES (Ø28)
S28-C-15-S
Single



S28 SERIES (Ø28)
D28-H22.5-M11
Double



S32 SERIES (Ø32)
S32-A-15-S
Single



S32 SERIES (Ø32)
S32-A-15-D
Double



S32 SERIES (Ø32)
S32-B-15-S
Single



S32 SERIES (Ø32)
S32-B-15-D
Double

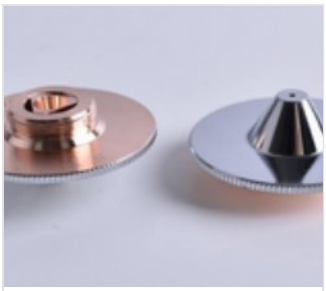


S32 SERIES (Ø32)
S32-B-15-Dp
Double



S32 SERIES (Ø32)
S32-C-15-S
Single

Cutting nozzles · continued



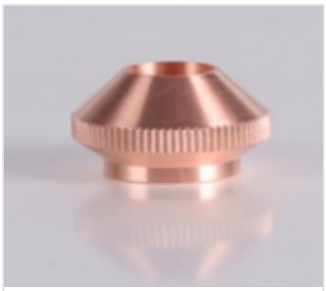
S32 SERIES (Ø32)
S32-C-15-D
Double



BULLET SERIES
BUL-S
Single



BULLET SERIES
BUL-D
Double



BULLET SERIES
BUL-L
Cap



BULLET SERIES
BUL-Lrt
Cap



BULLET SERIES
BUL-B
Base



PRECITEC SERIES
Pre-SP-S
Single



PRECITEC SERIES
Pre-SP-Dp
Double



PRECITEC SERIES
Pre-PD-Sa/b
Single



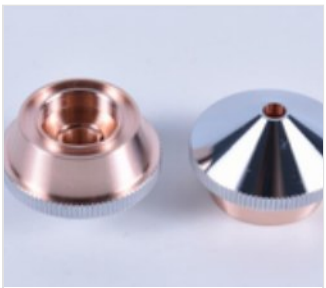
PRECITEC SERIES
Pre-KTX-S
Single



PRECITEC SERIES
Pre-KTX-D
Double



DNE SERIES
DNE-28-S
Single



DNE SERIES
DNE-28-D
Double



DNE SERIES
DNE-CL
Low connector



DNE SERIES
DNE-CH
High connector



DNE SERIES
DNE-B
Base

Cutting nozzles · continued



DNE SERIES
DNE-D15-S
Single



DNE SERIES
DNE-D15-D
Double



DNE SERIES
DNE-D17-D
Double



DNE SERIES
Air inlet
qt90



DNE SERIES
Air outlet
3502



3D SERIES
3D-M5
Single



3D SERIES
3D-M6
Single



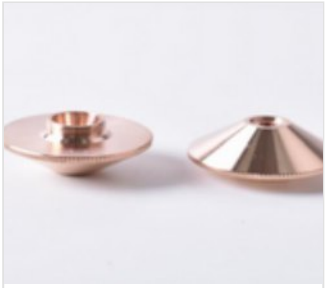
3D SERIES
3D-M8
Single



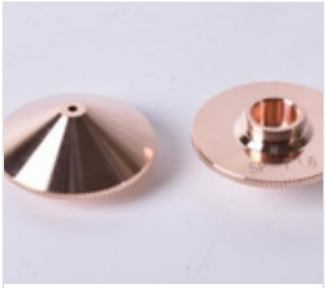
3D SERIES
3D-M8-D
Double



3D SERIES
3D-M9
Single



PENTA SERIES
PEN-BC
Single



PENTA SERIES
PEN-SP
Single



PENTA SERIES
PEN-Srp
Heat sink



WSX SERIES
WSX-YG-S
Single



WSX SERIES
WSX-YG-D
Double

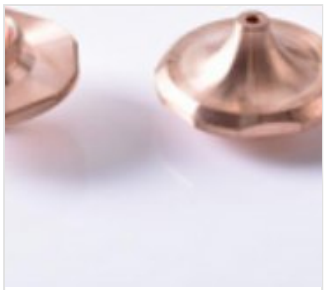


BODOR SERIES
Bo-25-Sa
Single

Cutting nozzles · continued



BODOR SERIES
Bo-25-Da
Double



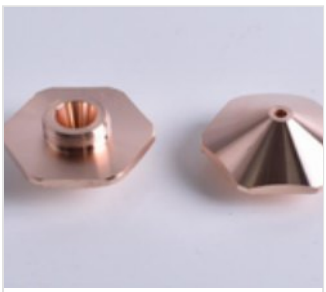
BODOR SERIES
Bo-25-Sb
Single



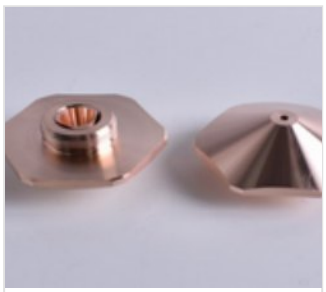
BODOR SERIES
Bo-25-Db
Double



BODOR SERIES
Bo-25-Dbq
Double



BODOR SERIES
Bo-32-S
Single



BODOR SERIES
Bo-32-D
Double



TONY SERIES
TN-S
Single



TONY SERIES
TN-D
Double



AMADA SERIES
AMD-S
Single



AMADA SERIES
AMD-D
Double



BYSTRONIC SERIES
HK-S
Single



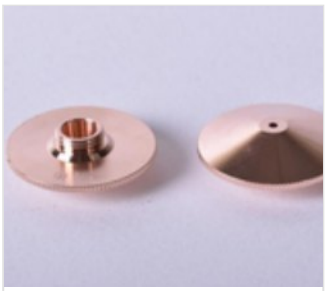
BYSTRONIC SERIES
NK-D
Double



BYSTRONIC SERIES
H-S
Single



BYSTRONIC SERIES
BT-10064099
Nozzle base



TRUMPF SERIES
TRUMPF-O
Single



TRUMPF SERIES
TRUMPF-EAA
Stepped single

Cutting nozzles · continued



OTHER BRANDS
EU
D25 H15 M11



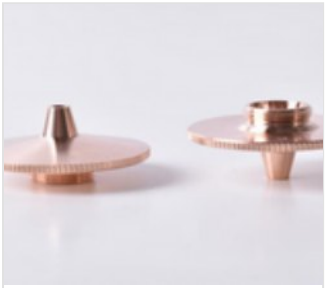
OTHER BRANDS
HIGHYAG-C
Connection seat



OTHER BRANDS
OSPRI-S
Single



OTHER BRANDS
LCF0531
Single



OTHER BRANDS
TIP-S
Single



OTHER BRANDS
Trumpf 3D
D8 H10.5 M6



OTHER BRANDS
Precitec 3D
D8 H10 M6



OTHER BRANDS
HSG ECU
D25 H15 M11



OTHER BRANDS
EAU Double
D25 H15 M12



OTHER BRANDS
EAC single
Chrome-plated



OTHER BRANDS
Han's SB



OTHER BRANDS
Han's DX
Double



OTHER BRANDS
HANKWANG Double
D19 M11 H15



OTHER BRANDS
HGTECH
D12 H10 M8



OTHER BRANDS
Farley
D28 H15 M11



OTHER BRANDS
D28 Special
D28 H10 M11

06 Nozzles for handheld laser welding

Nozzles for handheld welding heads. M = thread, H = height (mm).



CQWY HANDHELD HEAD
CQWY-A
M16-H40



CQWY HANDHELD HEAD
CQWY-B
M16-H35



CQWY HANDHELD HEAD
CQWY-C
M16-H35



CQWY HANDHELD HEAD
CQWY-D
M16-H35



CQWY HANDHELD HEAD
CQWY-E
M16-H35



CQWY HANDHELD HEAD
CQWY-F
M16-H43.5



CQWY HANDHELD HEAD
CQWY-G
M16-H38



CQWY HANDHELD HEAD
CQWY-H
M16-H35.5



WIRE FEED NOZZLE
DZ
M5-H15



QILIN (QL) SHORT
QL-SA
M10-H25



QILIN (QL) SHORT
QL-SB
M10-H25



QILIN (QL) SHORT
QL-SC
M10-H25



QILIN (QL) SHORT
QL-SD
M10-H25



QILIN (QL) SHORT
QL-SE
M10-H25

Nozzles for handheld laser welding · continued



QILIN (QL) SHORT
QL-SF
M10-H25



QILIN (QL) SHORT
QL-SG
M10-H25



QILIN (QL) LONG
QL-LA
M10-H40



QILIN (QL) LONG
QL-LB
M10-H40



QILIN (QL) LONG
QL-LC
M10-H40



QILIN (QL) LONG
QL-LD
M10-H40



WSX · 0.75 PITCH
WSX-A
M11-H32



WSX · 0.75 PITCH
WSX-B
M11-H32



WSX · 0.75 PITCH
WSX-C
M11-H32



WSX · 0.75 PITCH
WSX-D
M11-H32



WSX · 0.75 PITCH
WSX-E
M11-H32



WSX · 0.75 PITCH
WSX-F
M11-H33

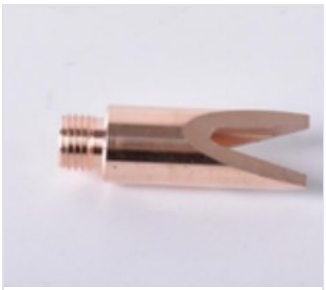


WSX · 0.75 PITCH
WSX-G
M11-H32



WSX · 0.75 PITCH
WSX-H
M11-H32

Nozzles for handheld laser welding · continued



HW · 0.75 PITCH
HW-A
M8-H28



HW · 0.75 PITCH
HW-B
M8-H28



HW · 0.75 PITCH
HW-C
M8-H28



HW · 0.75 PITCH
HW-D
M8-H28



HW · 0.75 PITCH
HW-E
M8-H28



OSPRI · 0.75 PITCH
OSPR-A
M13-H35



OSPRI · 0.75 PITCH
OSPR-B
M13-H32.5



OSPRI · 0.75 PITCH
OSPR-C
M13-H35



OSPRI · 0.75 PITCH
OSPR-D
M13-H35



OSPRI · 0.75 PITCH
OSPR-Q
M13-H35



OSPRI · 0.75 PITCH
OSPR-R
M13-H35



OSPRI · 0.75 PITCH
OSPR-T
M13-H35

07 Sensor connectors

Nozzle and capacitive sensor connectors for the height control, by head model.



RAYTOOLS
BM109



RAYTOOLS
BM111



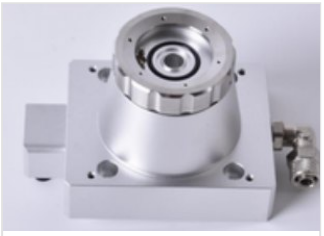
RAYTOOLS
BM111
3D



RAYTOOLS
BM112
3D



RAYTOOLS
BM114
type 28



RAYTOOLS
BM114
type 32



RAYTOOLS
BT210



RAYTOOLS
BT210S



RAYTOOLS
BT210S
Original



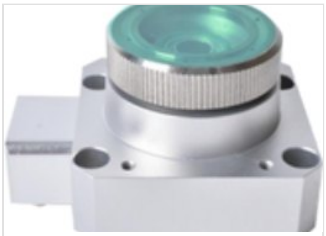
RAYTOOLS
BT230



RAYTOOLS
BT240



RAYTOOLS
BT240S



RAYTOOLS
BT220



RAYTOOLS
BM110



RAYTOOLS
BM111



RAYTOOLS
BM115-F125

Sensor connectors · continued



RAYTOOLS
BM115-F150



RAYTOOLS
BM115-F200



OSPRI
LC40



OSPRI
LC218



LaserMech



Friendess



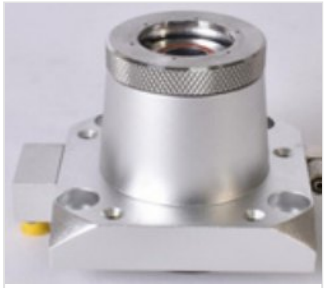
Friendess



WSX
KC13/15



WSX
NC30/NC30B



WSX
NC30E (NC30A)



WSX
NC30C(F150)



WSX
NC30C F190



WSX
SW18



Bodor
3D



LaserMech

08 Retaining rings

Retaining rings that secure the nozzle and ceramic to the head.



BM110 / BM111 / BM114-32



BM114-28



BM115



BT240 / BM109



BT220



BT240S



NC30C SW18



Precitec



Precitec 2.0



WSX



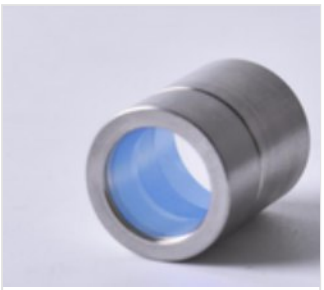
WSX NC60

09 Source protective connectors (QBH)

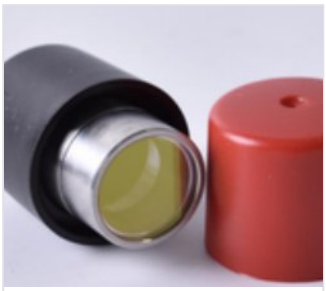
Protective lenses for the laser source QBH connector. "Compatible" = alternative to the original.



IPG D12-H13
Compatible 3300W



RAYCUS D12.8-H16
Compatible 3300W



RAYCUS D12.8-H16
Original 3300W



RAYCUS D12.8-H16
Compatible 6000W



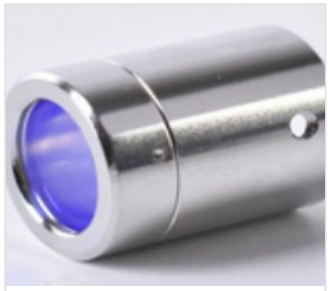
RAYCUS D12.8-H16
Original 6000W



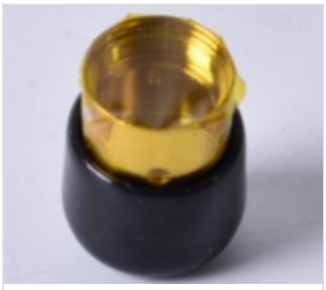
MAX
Original 1500W



MAX
Compatible silver H16.9



MAX
Original silver H16.9



MAX
Compatible gold H16.3



MAX
Compatible gold H18.9



MAX
Original gold short

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